

2701 MILE SE  
ALBUQUERQUE, NM 87106  
TEL: 505.242.5700  
FAX: 505.242.0673



**MOLZEN-CORBIN**  
& Associates

ENGINEERS/ARCHITECTS/PLANNERS

March 8, 2010

Mr. Randall Camp  
Public Works Director  
Village of Ruidoso  
313 Cree Meadows Drive  
Ruidoso, New Mexico 88345

**RE: Phase 1A – Sludge Handling and Ultraviolet Disinfection Facilities** RUI062-11.C40  
**Project Documents (Submittals/Final Operation & Maintenance Manuals)**

Dear Mr. Camp:

The Engineer retains extra sets of the approved submittals and equipment final operation and maintenance manuals for the reference project. At the end of the project, we provide these extra documents to the Owner as a backup record set. The submittals and final equipment operation and maintenance manuals are provided with this letter. A Submittal Log and O&M Manual Log of the enclosed project documents are also provided.

In addition, the General Contractor, Tatsch Construction, is also required to provide a set of the final equipment operation and maintenance manuals and equipment submittals to the Owner. The majority of these documents were delivered to the Owner on February 9, 2010 by Molzen-Corbin & Associates. The Contractor has provided the following documents, and these documents are delivered with this letter:

1. Instrumentation and Controls (Submittal 13448-001)
2. Instrumentation and Controls (O&M Manual, 13448-002A) 4-Volume Set
3. Electrical Switchboards (O&M Manual, 16430-002B)

Please let me know if you have any questions regarding this communication.

Sincerely,

MOLZEN-CORBIN & ASSOCIATES

Angel Campos

ACC:ps  
Enclosures

cc: Ms. Debi Lee, Village Administrator, Village of Ruidoso  
Mr. Bill Morris, Senior Deputy Village Manager, Village of Ruidoso  
Ms. Carol Virden, City Clerk/Treasurer, City of Ruidoso Downs  
Mr. Cleatus Richards, Public Works Director, City of Ruidoso Downs  
Mr. Bobby Snowden, Department Head Wastewater Treatment, Village of Ruidoso  
Mr. Jim Chiasson, Project Manager, New Mexico Environment Department

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# SUBMITTAL LOG

Ruidoso, New Mexico

## RUIDOSO WASTEWATER TREATMENT PLANT

SUBMITTAL NO.	SPEC NUMBER	ITEM	DESCRIPTION	SUPPLIER	MANUFACTURER
001B	01019	SCHEDULE OF VALUES			
001	01060	BUILDING PERMIT			
001	01080	PIPE IDENTIFICATION MARKER		SETON	
002	01080	PIPE LETTERING		SETON	
001B	01310	CONSTRUCTION SCHEDULE			
001	01310	CONSTRUCTION SCHEDULE			
001	01410	TESTING SERVICES		TESTING LABORATORIES INC.	
001	2500	PAVING AND BASE COURSE			
001	02751	PIPE SUPPORTS			CLEMENT SUPPORT SYSTEMS
001A	02751	PIPE SUPPORTS			CLEMENT SUPPORT SYSTEMS
001	3100	SELECT FILL		JEFF HARVEY PIT	
003	3300	REBAR			CMC REBAR
004	03300	REBAR	SLUDGE THICKENING BLDG FOUNDATION REBAR		CMC REBAR
002	03300	CONCRETE MIX			CEMEX
005	03300	REBAR	CONCRETE REINFORCEMENT		CMC REBAR
006	03300	NON SHRINK GROUT			CMC REBAR
007	03300	REBAR	UV STRUCTURE		CMC REBAR
001	03300.203	REBAR			CMC REBAR
001	4200	ICMU			CREGO BLOCK
001	4223.28	HEATED INSULATED ENCLOSURES			CDR SYSTEMS
001	04230	GLASS UNIT MASONRY			PITTSBURGH CORNING GLASS BLOCK
001	05400	COLD FORMED STEEL FRAMING			DIETRICH INDUSTRIES
001	05500	METAL STAIRS, GRATES, BRACKETS			ANDERSON STEEL
001A	05500	METAL FABRICATIONS	WEDGE WIRE SCREEN		JOHNSON SCREENS
003	05500	ALUMINUM GRATING	UV STRUCTURE		ANDERSON STEEL
004	05500	HANDRAIL			GOLDEN RAILINGS
005	05500	ALUMINUM GRATING AND CHECKER PLATE		ANDERSON STEEL	AIMCO
001	05500.206	MISCELLANEOUS METALS	CAST IRON GRATING		NEENAH FOUNDRY
001	07200	INSULATION	CONCRETE		DOW CHEMICAL
002	07200	INSULATION	PRE ENGINEERED BUILDINGS	CLOVIS METAL BUILDINGS	TO THERMAL DESIGN- ROOF, LAM-TEC WALLS
003	07200	INSULATION- EXPOSED WALL		OWENS CORNING	
001	8332	OVERHEAD COILING DOORS			OVERHEAD DOOR
001	08800	GLAZING			GLAZTECH
001A	08800	GLAZING			GLAZTECH
001A	9500	PAINT	PAINT AND COATING		SHERWIN WILLIAMS
001	10440	PLANT AND UTILITY SIGNAGE			SIGNSOURCE
002A	11240	UV DISINFECTION SYSTEM			SIEMENS WATER TECHNOLOGIRS
001	11310	SUBMERSIBLE PUMPS			ITT FLYGT
001A	11310	SUBMERSIBLE PUMPS			ITT FLYGT
001B	11310	SUBMERSIBLE PUMPS			ITT FLYGT
001	11312	END SUCTION CENTRIFUGAL PUMPS			AURORA
001A	11317	ROTARY LOBE SLUDGE PUMPS			PIONEER EQUIPMENT
001	11373.1	POSITIVE DISPLACEMENT BLOWERS			AERZEN USA CORP
	11373.1	CONTRACTORS WRITTEN RESPONSE TO COMMENTS			
001	11374.2	AEROBIC DIGESTER AERATION EQUIPMENT		EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
002	11374.2	TELESCOPING VALVES		EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
001B	11374.2	AEROBIC DIGESTER AERATION EQUIPMENT		EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
005	11374.2	AEROBIC DIGESTER AERATION EQUIP ALUMINUM COVERS		EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
001	11385	SUBMERSIBLE MIXERS, DIRECT DRIVEN		JCH	ITT FLYGT
001A	11385	SUBMERSIBLE MIXERS, DIRECT DRIVEN		JCH	ITT FLYGT
001	13123	PRE-ENGINEERED FIBERGLASS SHELTER			WARMINSTER FIBERGLASS
001	13401	POWER SUPPLIES & ACCESSORIES	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13417	PRESSURE TRANSMITTER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13419	COLOR CHART		CLOVIS METAL BUILDINGS	ALLIANCE
001	13419	ULTRASONIC LEVEL TRANSMITTER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13425	DISCHARGE PRESSURE SWITCH	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13426	GAUGE PRESSURE TRANSMITTER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13427	TEMPERATURE SWITCH	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13429	ELECTROMAGNETIC FLOW METER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13429.2	THERMAL MASS GAS FLOW METER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13430	CONTROL PANEL AND ACCESSORIES	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13438	ULTRASONIC OPEN CHANNEL FLOW MONITOR	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13440	ELECTRIC CONTROLS AND RELAYS			YUKON
001	13440	CONTROLS AND RELAYS	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13441	FLOW RECORDER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13442	SIGNAL ISOLATOR/CONVERTOR/SPLITTER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13448	PLANT CONTROL SYSTEM	TWO VOLUMES	US ELECTRIC	VARIOUS
001	13450	PLC SYSTEM	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13454	OIS (OIU & OIP)	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13602	PRESSURE GAUGES			WIKI INSTRUMENT CORP
001	13621	PARSHALL FLUME	METERING DEVICES		WARMINSTER FIBERGLASS
001A	14300	HOISTS AND CRANES			CRANECARE

# UBMITTAL LOG

Ruidoso, New Mexico

## RUIDOSO WASTEWATER TREATMENT PLANT

SUBMITTAL NO.	SPEC NUMBER	ITEM	DESCRIPTION	SUPPLIER	MANUFACTURER
001	15100	PLUG VALVES AND BUTTERFLY VALVES			DEZURIK
001A	15100	PLUG VALVES AND BUTTERFLY VALVES			DEZURIK
002	15100	BUTTERFLY/AIR SERVICE VALVES	BUTTERFLY VALVES		DEZURIK
001	15100.7	SWING CHECK VALVES			MATCO-NORCA
001	15100.7	STOP GATES			RODNEY HUNT
002	15100.7	AIR RELEASE VALVE			VAL-MATIC
001	15100.9	SLIDE GATES			RODNEY HUNT
001	15175	PRESSURE TANK			WESSELS
001	15190	PROPANE TANKS			AMERICAN WELDING AND TANK
001	15210	PIPE EXPANSION JOINTS			PROCO PRODUCTS
001	15820	PLUMBING FIXTURES AND PIPING			FERGUSON
001	16080	ELECTROLYTIC GROUNDING ROD			ERICO
001	16080	ELECTRICAL TESTING	REPORTS	US ELECTRIC	
001	16123	ELECTRICAL WIRE AND CABLE-SHIELDED CABLE, TRAY CABLE, DIRECT BURIED SIGNAL CABLE			CSC, OMNI CABLE, SOUTHWEST WIRE
001	16130	PVC RMC ADDITIONAL SUBMITTALS			ALLIED, OICAL
001	16135	CABINETS AND ENCLOSURES			HOFFMAN
001	16136	UNDERGROUND PULL BOXES			QUAZITE
001	16150	TERMINAL BLOCKS & ACCESSORIES	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	16230	ELECTRICAL GENERATOR SET	IN SAME NOTEBOOK		ROCKY MOUNTAIN CUMMINS
001A	16230	ELECTRICAL GENERATOR SET			ROCKY MOUNTAIN CUMMINS
001	16261	UPS AND ACCESSORIES	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001B	16265	ADJUSTABLE FREQUENCY DRIVES			EATON/CUTLER HAMMER
001	16282	TVSS	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
	16410	AUTOMATIC TRANSFER SWITCH	IN SAME NOTEBOOK		ROCKY MOUNTAIN CUMMINS
001	16411	DISCONNECT SWITCHES	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16420	MCC'S	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16422	COMBINATION STARTERS	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16430	SWITCHBOARDS	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16441	PANELBOARDS	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16461	DRY TRANSFORMER	ALL IN ONE NOTEBOOK	US ELECTRIC	EATON/CUTLER HAMMER
001	16490	FUSES	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	16500	LIGHTING			HUBBLE
001	16742	AUTODIALER	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	79200	ELASTOMERIC SEALANTS			BASF
001	081100	METAL DOORS AND FRAMES		STOCK BUILDING SUPPLY	CECO
001	84520	TRANSLUCENT FIBERGLASS PANEL		DAYLIGHTING SOLUTIONS	KALWALL
001	087100	DOOR HARDWARE		STOCK BUILDING SUPPLY	
001	101416	PLAQUES			ARK RAMOS SIGNAGE SYSTEMS
001	102800	TOILET ACCESSORIES		ALBUQUERQUE PARTITIONS	BRADLEY
001	104400	FIRE EXTINGUISHERS AND ACC		ALBUQUERQUE PARTITIONS	JL INDUSTRIES
002	133419	PRE ENGINEERED METAL BUILDING	NOTEBOOKS AND DRAWINGS	CLOVIS METAL BUILDINGS	ALLIANCE
001	1342.2.01	FLYGT LEVEL FLOAT SWITCH	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13428.2.02	ANCHOR SCIENTIFIC LEVEL FLOAT SWITCH	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	13428.2.03	AMETEK/PATRIOT LEVEL SWITCH	PLANT CONTROL SYSTEM	US ELECTRIC	VARIOUS
001	14300.203D	JIB CRANE			THERN
001	15M31-101	HVAC EQUIPMENT		POLSON & GRADY LTD.	WM CARROLL
001A	15M31-101	HVAC EQUIPMENT		POLSON & GRADY LTD.	WM CARROLL
001	16E31-102	ELECTRICAL FIRE ALARM SYSTEM			REDHAWK/FIRELITE/SYSTEN SENSOR

**O&M LOG**  
Ruidoso, New Mexico

**RUIDOSO WASTEWATER TREATMENT PLANT**

SUBMITTAL NO.	SPEC NUMBER	ITEM	DESCRIPTION	SUPPLIER	MANUFACTURER
003	15100	PLUG & MANUAL BUTTERFLY VALVES	O&M MANUAL		DEZURIK
003A	15100	PLUG & MANUAL BUTTERFLY VALVES	O&M MANUAL		DEZURIK
004	15100	BUTTERFLY VALVES, ELECTRICAL	O&M MANUAL		DEZURIK
003	11374.2	O&M MANUAL TELESCOPING VALVES	O&M MANUAL	EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
004	11374.2	AEROBIC DIGESTER AERATION EQUIP	O&M MANUAL	EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
004A	11374.2	AEROBIC DIGESTER AERATION EQUIP	O&M MANUAL	EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
002	15100.9	SLIDE GATES	O&M MANUAL		RODNEY HUNT
002	15100.7	STOP GATES	O&M MANUAL		RODNEY HUNT
002	11310	SUBMERSIBLE PUMPS	O&M MANUAL		ITT FLYGT CO
002	16430	SWITCHBOARDS	O&M MANUAL- VOL 1 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002	16420	MCC	O&M MANUAL- VOL 2 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002	16265	AFD	O&M MANUAL- VOL 2 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002	16441	PANELBOARDS	O&M MANUAL- VOL 2 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002	16461	DRY TYPE TRANSFORMERS	O&M MANUAL- VOL 2 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002A	16430	SWITCHBOARDS	O&M MANUAL- VOL 1 OF 2 VOLUME SET		EATON/CUTLER HAMMER
002	11317	ROTARY LOBE SLUDGE PUMPS	O&M MANUAL		PIONEER EQUIPMENT
002A	11317	ROTARY LOBE SLUDGE PUMPS	O&M MANUAL		PIONEER EQUIPMENT
002A	16265	AFD	CD'S FOR O&M MANUAL		EATON/CUTLER HAMMER
002A	11312	END SUCTION CENTRIFUGAL PUMPS	O&M MANUAL, INCLUDED WITH 11385, 14300, 15175, 11310		AURORA
002A	11385	SUBMERSIBLE MIXERS, DIRECT DRIVEN	O&M MANUAL, INCLUDED WITH 11312, 14300, 15175, 11310		ITT FLYGT CO
002	14300	JIB CRANE	O&M MANUAL, INCLUDED WITH 11312, 11385, 15175, 11310		THERN
002A	15175	PRESSURE TANK	O&M MANUAL, INCLUDED WITH 11312, 11385, 14300, 11310		WESSELS COMPANY
002A	11310	SUBMERSIBLE PUMPS	O&M MANUAL, INCLUDED WITH 11312, 11385, 14300, 15175		ITT FLYGT CO
002B	16430	ELECTRICAL SWITCHBOARDS			EATON/CUTLER HAMMER
002	11373.1	POSITIVE DISPLACEMENT BLOWERS	O&M MANUAL		AERZEN
002	13448	PLANT CONTROL SYSTEM	O&M MANUAL 3 VOLUME SET		VARIOUS
003	11374.2	TELESCOPING VALVES	O&M MANUAL	EIMCO/ENVIROQUIP	EIMCO/ENVIROQUIP
003	11240	ULTRA VIOLET DISINFECTION EQUIPMENT	O&M MANUAL		SIEMENS
002	16230	GENERATOR SET	O&M MANUAL		ROCKY MOUNTAIN CUMMINS
002A	16230	GENERATOR SET	O&M MANUAL COMBINED WITH AUTOMATIC TRANSFER SWITCH		ROCKY MOUNTAIN CUMMINS
002A	16410	AUTOMATIC TRANSFER SWITCH	O&M MANUAL COMBINED WITH GENERATOR SET		ROCKY MOUNTAIN CUMMINS
002	15820	PLUMBING FIXTURES AND PIPING	O&M MANUAL		NAVLEN
003	14300	HOISTS AND CRANES	O&M MANUAL		CRANECARE
003	15820	SPLIT SYSTEM AC UNIT	O&M MANUAL (IN SAME BOOK WITH 004, 005)		POLSON & GRADY
004	15820	FUEL FIRED RADIANT HEATERS	O&M MANUAL (IN SAME BOOK WITH 003, 005)		POLSON & GRADY
005	15820	CENTRIFUGAL FANS	O&M MANUAL (IN SAME BOOK WITH 003, 004)		POLSON & GRADY
002a	13448	PLANT CONTROL SYSTEM	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13417	PRESSURE TRANSMITTER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13419	ULTRASONIC LEVEL TRANSMITTER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13425	DISCHARGE PRESSURE SWITCH	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13426	GAUGE PRESSURE TRANSMITTER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13427	TEMPERATURE SWITCH	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13428.03	ANEMTEK/PATRIOT LEVEL SWITCH	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13428.02	ANCHOR SCIENTIFIC LEVEL FLOAT SWITCH	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13428.01	FLYGT LEVEL FLOAT SWITCH	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13429	ELECTROMAGNETIC FLOW METER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS

**O&M LOG**

Ruidoso, New Mexico

**RUIDOSO WASTEWATER TREATMENT PLANT**

SUBMITTAL NO.	SPEC NUMBER	ITEM	DESCRIPTION	SUPPLIER	MANUFACTURER
002a	13429.2	THERMAL MASS GAS FLOW METER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13438	ULTRASONIC OPEN CHANNEL FLOW MONITOR	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13441	FLOW RECORDER	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	13440	CONTROLS & RELAYS	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
002a	16490	FUSES	O&M MANUAL 4 VOLUME SET	US ELECTRICAL	VARIOUS
003A	14300	HOISTS AND CRANES	O&M MANUALS		CRANECARE

ADDITIONAL SUBMITTALS SUPPLIED TO RUIDOSO/RUIDOSO DOWNS BY TATSCH

INSTRUMENTATION AND CONTROLS

13448-001

ADDITIONAL O&M MANUALS SUPPLIED TO RUIDOSO/RUIDOSO DOWNS BY TATSCH

INSTRUMENTATION AND CONTROLS - 4 VOLUME SET  
ELECTRICAL SWITCHBOARDS

13448-002A  
16430-002B